2. Daniel

Program Name: Daniel.java   **Input File: daniel.dat**

Daniel considers himself a word smith of sorts, and loves pattern poetry, like haikus, cinquain poems, limericks, and such. He also makes it a hobby to find really cool quotes. One day he decided to form word triangles out of the quotes he found, and since he knew of no one else who had ever done that, decided to call them Daniel Triangles.

A Daniel Triangle starts with the first word of the quote on the first line, the next two words on the next line, then the next three on the third line, and so on. If however, the next line exceeds 30 characters, he starts another triangle in the same fashion, doing this over and over until the quote has ended.

In the first example below, a fairly short quote by Steve Martin, he puts the first word "Be" on the top line of the triangle, followed by "so good" on the next line, then "they can't ignore" on the third, followed by the last word, the dash (he counts the dash as a word), and the author's name. To separate each quote, and to make sure it does not exceed his self-imposed 30-character limit, he follows each quote with a metric line of 30 characters - three sets of nine dashes, each set ending with an asterisk.

Input: Several quotes, each on one line in the data file. Each quote ends with a dash, followed by the author's name. All parts of the quote, including the dash and author's name, are separated by single spaces. Any punctuation marks are considered part of the word they follow or that contains them.

Output: A Daniel Triangle for each quote, as described above, followed by the 30-character metric line as shown.

Sample input: *(each quote will be all on one line in the data file)*
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Be so good they can't ignore you. - Steve Martin
Ever tried? Ever failed? No matter. Try again. Fail again. Fail better. -
Samuel Beckett
Impossible is just a big word thrown around by small men who find it easier
to live in the world they've been given than to explore the power they have
to change it. Impossible is not a fact. It's an opinion. Impossible is not a
declaration. It's a dare. Impossible is potential. Impossible is temporary.
Impossible is nothing. - Muhammed Ali
```

Sample output:
```
Be                               been given than to explore the
so good                          power
they can't ignore                they have
you. - Steve Martin              to change it.
---------*---------*---------*   Impossible is not a
Ever                             fact. It's an opinion.
tried? Ever                      Impossible
failed? No matter.               is not
Try again. Fail again.           a declaration. It's
Fail better. - Samuel Beckett    a dare. Impossible is
---------*---------*---------*   potential. Impossible is
Impossible                       temporary.
is just                          Impossible is
a big word                       nothing. - Muhammed
thrown around by small           Ali
men who find it easier           ---------*---------*---------*
to live in the world they've
```